

OBSERVATIONS AT HONOLULU.

Through the kind cooperation of Mr. Curtis J. Lyons, Meteorologist to the Government Survey, the monthly report of meteorological conditions at Honolulu is now made partly in accordance with the new form, No. 1040, and the arrangement of the columns, therefore, differs from those previously published.

Meteorological observations at Honolulu, August, 1900.

The station is at 21° 18' N., 157° 50' W.
Hawaiian standard time is 10^h 30^m slow of Greenwich time. Honolulu local mean time is 10^h 31^m slow of Greenwich.
Pressure is corrected for temperature and reduced to sea level, and the gravity correction, -0.06, has been applied.
The average direction and force of the wind and the average cloudiness for the whole day are given unless they have varied more than usual, in which case the extremes are given. The scale of wind force is 0 to 12, or Beaufort scale. Two directions of wind, or values of wind force or amounts of cloudiness, connected by a dash, indicate change from one to the other.
The rainfall for twenty-four hours is measured at 9 a. m. local or 7:31 p. m. (not 1 p. m.), Greenwich time, on the respective dates.
The rain gage, 8 inches in diameter, is 1 foot above ground. Thermometer, 9 feet above ground. Ground is 43 feet, and the barometer 50 feet above sea level.

Date.	Pressure at sea level.	Temperature.		During twenty-four hours preceding 1 p. m. Greenwich time, or 2:30 a. m., Honolulu time.							Total rainfall at 9 a. m. local time.			
		Dry bulb.	Wet bulb.	Temperature.		Means.		Wind.		Average cloudiness.		Sea-level pressures.		
				Maximum.	Minimum.	Dew-point.	Relative humidity.	Prevailing direction.	Force.			Maximum.	Minimum.	
1	29.92	75	69	83	73	67.5	78	ne.	2-4	6	29.97	29.90	0.06	
2	29.94	76	70	86	74	67.0	68	ne.	3	1-4	29.96	29.89	0.03	
3	29.94	72	69.5	86	75	67.3	66	ne.	4	2	29.99	29.92	0.01	
4	29.94	71	71	87	71	70.5	77	s.	3	2-9	29.97	29.92	0.01	
5	29.92	78	71.5	86	77	68.3	68	ne.	3	2-9	29.98	29.92	0.01	
6	29.90	76	71	87	76	67.7	65	ne.	3-1	5-5	29.97	29.89	0.00	
7	29.89	79	71.5	87	75	69.5	68	ne.	3-1	6	29.96	29.87	0.01	
8	29.94	79	71	86	77	68.0	63	ne.	5	5	29.98	29.91	0.01	
9	29.96	76	71	84	78	67.5	67	ne.	4	9	30.01	29.93	0.07	
10	29.97	76	70.5	85	74	69.5	76	ene.	3	8	30.03	29.97	0.13	
11	29.96	75	70	85	74	68.3	69	ne.	4	2	30.01	29.93	0.24	
12	29.99	77	69	82	72	67.7	71	ne.	3-5	6	30.03	29.95	0.06	
13	30.00	77	69	83	75	66.8	66	ne.	5	4	30.04	29.97	0.02	
14	29.98	76	69.5	84	76	66.0	66	ne.	5	5	30.03	29.97	0.25	
15	29.97	76	69	84	72	66.5	67	ne.	3-4	5	30.03	29.96	0.02	
16	29.91	70	68	84	75	65.7	64	nne.	3-4	3	29.98	29.90	0.00	
17	29.92	72	68.5	86	69	67.5	72	nne.	2	1	29.95	29.88	0.00	
18	29.89	78	74	87	72	70.0	73	nne.	0-3	3-10	29.96	29.87	0.01	
19	29.90	79	72.5	84	77	73.5	79	se-s	0-1	10	29.95	29.87	0.06	
20	29.97	77	71	87	76	69.0	68	ne.	3	8-4	30.00	29.91	0.01	
21	30.00	77	68.5	84	77	67.7	67	ne.	5	3	30.05	29.97	0.04	
22	29.92	76	68.5	83	77	64.0	62	ne.	4	4-9	30.02	29.94	0.10	
23	29.89	74	68.5	83	75	66.0	67	ne.	4	5	29.94	29.85	0.80	
24	29.89	76	69.5	83	70	66.3	69	ne.	3	6	29.93	29.89	0.08	
25	29.94	75	71.5	84	75	66.7	67	ne.	2	10-6	29.97	29.89	0.00	
26	29.96	79	72	87	74	71.5	77	ne.	0-3	10-7	30.00	29.90	0.02	
27	29.96	78	72.5	85	78	70.8	71	ene-nne	1-4	5	29.99	29.92	0.00	
28	29.97	77	69	85	77	69.3	69	ne.	4-5	6	30.02	29.95	0.00	
29	29.99	76	69.5	85	76	68.3	65	ne.	1-5	5	30.02	29.95	0.15	
30	29.95	76	69.5	84	73	67.5	70	ne.	2-4	6	30.00	29.94	0.16	
31	29.94	75	69	85	73	67.8	66	ne.	3	8	29.97	29.90	0.04	
Sums.....														2.00
Mean.....	29.946	76.2	70.1	85.0	74.6	67.9	68.7		3.1	5.4	29.954	29.917		
Departure.....	-.023					+1.7	+0.1			+1.4				

Mean temperature for August, 1900 (6+2+9)+3=79.0°; normal is 77.6°. Mean pressure for August (9+3)+2 is 29.953; normal is 29.976.
* This pressure is as recorded at 1 p. m., Greenwich time. † These temperatures are observed at 6 a. m., local, or 4:31 p. m., Greenwich time. ‡ These values are the means of (6+9+2+9)+4. § Beaufort scale.

OBSERVATIONS FOR LOCAL THUNDERSTORMS AT SKYLAND, PAGE COUNTY, VA., AUGUST, 1900.

By Messrs. H. W. and H. S. CRAIGIN.

August 1.—8 a. m., 66°; 2 p. m., 75°; 8 p. m., 65°. Fair, with falling temperature; fresh northwest winds. About 4 p. m. there were some showery formations but they did not amount to anything.

August 2.—8 a. m., 58°; 2 p. m., 67°; 8 p. m., 62°. Fair and cool; fresh northwest winds.

August 3.—8 a. m., 60°; 2 p. m., 71°; 8 p. m., 64°. Fair and cool; fresh north winds.

August 4.—8 a. m., 61°; 2 p. m., 73°; 8 p. m., 65°. Fair, with moderate temperature and light northeast winds.

August 5.—8 a. m., 63°; 2 p. m., 78°; 10 p. m., 64°. Fair, with slowly rising temperature; light east winds. It turned warmer during the night.

August 6.—8 a. m., 70°; 3 p. m., 85°; 10 p. m., 74°. Fair and warm; light north winds.

August 7.—8 a. m., 72°; 3 p. m., 86°; 12 p. m., 70°. Fair and very hot, with light northwest winds.

August 8.—8 a. m., 70°; 2 p. m., 85°; 11 p. m., 72°. Fair, continued warm, with brisk northwest winds.

August 9.—8 a. m., 72°; 3 p. m., 83°; 10 p. m., 72°. Partly cloudy and warm, with fresh northwest winds. It tried hard to rain, and even sprinkled a little about 3 p. m.

August 10.—8 a. m., 70°; 3 p. m., 85°; 11 p. m., 73°. Fair, continued warm, with light northwest winds.

August 11.—8 a. m., 73°; 3 p. m., 87°; 8 p. m., 67°; 10 p. m., 71°. Fair and very warm, with light southwest winds. Between 12 a. m. and 3 p. m. there were some showery formations but they amounted to nothing.

August 12.—8 a. m., 72°; 3 p. m., 85°; 10 p. m., 71°. Fair and hot in morning; partly cloudy in afternoon. About 7 p. m., after a long period of development, two showers appeared: one in the Shenandoah Valley to the west of New Market Gap, the other in the Page Valley several miles to the northeast of the gap. Both moved northeast; the one in the Page Valley crossed the Blue Ridge a little to the north of here, while the one in the vicinity of the gap crossed the Page Valley and passed over camp. By 8 p. m. they had crossed the ridge and the thunder immediately ceased. These showers were full of electricity but contained very little rain. The lightning struck twice in the immediate neighborhood of camp. A strong west breeze sprung up during the night and modified the heat somewhat.

August 13.—8 a. m., 69°; 3 p. m., 80°; 11 p. m., 70°. Fair and not so warm; brisk west winds.

August 14.—8 a. m., 67°; 3 p. m., 83°; 12 p. m., 67°. Fair and slightly warmer; light west winds. At 3 p. m. a light shower, devoid of thunder, formed in the Shenandoah Valley to the west of the gap. It dissipated without moving, though its tendency was to move south. At 9 p. m. there was a little shower at camp. There was some thunder to the east of the ridge, but it soon ceased.

August 15.—8 a. m., 69°; 3 p. m., 82°; 9 p. m., 72°. Fair and warm; fresh southwest winds. Between 7 and 8 p. m. a shower, destitute of thunder, formed several miles to the south of the gap. It moved slowly northeast, crossed the Page Valley, passed over camp, and disappeared to the east of the ridge about 9 p. m. It was a light shower.

August 16.—8 a. m., 71°; 3 p. m., 82°; 11 p. m., 71°. Partly cloudy and warm, with fresh southwest shifting to east winds at night. Between 4 and 5 p. m. there was some thunder to the east of the ridge, to the southeast of here.

August 17.—8 a. m., 65.5°; 1 p. m., 79°; 10 p. m., 68°. Partly cloudy and not so warm—the hot wave was again broken somewhat during the preceding night—with fresh west winds. During the night a moderate thundershower passed over this part of the country, but it failed to lower the temperature.

August 18.—8 a. m., 66°; 2 p. m., 78°; 9 p. m., 69°. Partly cloudy, with fresh west winds. About 3 p. m. quite a hard shower, with but little thunder, formed in the Page Valley 7 or 8 miles to the northwest of here and moved southeast, passing over camp. Its course beyond here could not be traced.

August 19.—8 a. m., 66°; 3 p. m., 79°; 10 p. m., 68°. Partly cloudy, with fresh west winds.

August 20.—8 a. m., 68°; 3 p. m., 78°; 10 p. m., 70°. Partly cloudy, with brisk west winds. During the night there was